

Patent No. 7,766,125  
Request for Cert. of Correction dated October 22, 2010  
Attorney Docket No. 5038-060390

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Patent No.	:	7,766,125	Appln. No.:	10/567,976
Inventors	:	Chung et al.	Confirmation No.	5470
Issued	:	August 10, 2010		
Title	:	Polyelectrolyte Composition for Humidity Sensor, Polyelectrolyte Ink and Preparation Method of Polyelectrolyte Membrane for Sensor by Inkjet Printing		
Examiner	:	Jaison P. Thomas		
Customer No.	:	28289		

REQUEST FOR CERTIFICATE OF CORRECTION OF PATENT

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

ATTENTION: Decision and Certificate of Correction  
Branch of the Patent Issue Division

Sir:

In accordance with 35 U.S.C. §255, we attach hereto Form PTO/SB/44 and proof of errors and request that a Certificate of Correction be issued in the above-identified patent. The following errors appears in the patent as printed:

Face of the Patent, See Item (54) Title, Line 2, and  
Column 1, the Title, Line 2:

"HUMIDITY SENSER" should read – HUMIDITY SENSOR –

See the Title, line 1 on the face of the PCT application as published as well as the first page of the PCT specification at line 2. The word "sensor" is spelled correctly except for those two occurrences.

The above errors are obvious typographical errors made by Applicants. The Commissioner of Patents and Trademarks is hereby authorized to charge the fee of \$100.00 for correction of Applicants' mistakes by credit card, the information for which is being submitted concurrently herewith.

Respectfully submitted,

THE WEBB LAW FIRM

By



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I certify that this correspondence is being electronically submitted to the United States Patent and Trademark Office on October 22, 2010.

Mary Jo Sinicrope  
(Name of Person Submitting Paper)

10/22/2010  
Date

Signature

**UNITED STATES PATENT AND TRADEMARK OFFICE  
CERTIFICATE OF CORRECTION**

Page 1 of 1

PATENT NO. : 7,766,12567,022  
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ISSUE DATE : August 10, 2010  
INVENTORS : Chung et al.

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Face of the Patent, See Item (54) Title, Line 2, and  
Column 1, the Title, Line 2:

"HUMIDITY SENSER" should read – HUMIDITY SENSOR –

MAILING ADDRESS OF SENDER: The Webb Law Firm  
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This collection of information is required by 37 CFR 1.322, 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-2450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

*If you need assistance in completing the form, call 1-800-PTO-9199 and select Option 2.*

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For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: THE POLYELECTROLYTE COMPOSITION FOR HUMIDITY SENSOR, POLYELECTROLYTE INK AND PREPARATION METHOD OF POLYELECTROLYTE MEMBRANE FOR SENSOR BY INKJET PRINTING

correct everywhere else

(57) Abstract: This invention is relating to the polyelectrolyte composition for humidity sensor, polyelectrolyte ink and the preparation method of polyelectrolyte membrane for humidity sensor by inkjet printing. The polyelectrolyte composition according to this invention is composed of polyelectrolyte, crosslinking agent and organic solvent comprising a single component or in the form of a mixture of two or more solvents such as alcohols. And an ink manufactured from above polyelectrolyte composition, is manufactured by adding to organic solvents such as polyhydric alcohols ensuring the solution fluidity suitable for the head of inkjet printer, high-boiling humectant preventing drying of ink and surfactant. This invention is to provide polyelectrolyte composition and polyelectrolyte ink composition suitable for humidity sensor, and the preparation method for reliable humidity sensor with uniform thickness through inkjet printing.

-- SENSOR --

WO 2005/014700 A1

THE POLYELECTROLYTE COMPOSITION FOR HUMIDITY  
SENSOR, POLYELECTROLYTE INK AND PREPARATION  
METHOD OF POLYELECTROLYTE MEMBRANE FOR SENSOR  
BY INKJET PRINTING

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correct here

【Technical Field】

The present invention relates to a polyelectrolyte composition for humidity-sensitive membrane of humidity sensor, a polyelectrolyte ink prepared therefrom, and a process for preparing humidity sensor by inkjet printing method to form humidity-sensitive membrane. More specifically, the present invention provides a polyelectrolyte ink, which can form a humidity-sensor membrane by dissolving a polyelectrolyte in a solvent to prepare the solution of a polyelectrolyte composition, which is then applied to an inkjet printer. Further, the present invention also provides a process for preparing humidity sensor by printing with the polyelectrolyte ink prepared using an inkjet printer and then treating the printed matter with heat to form a humidity-sensitive membrane onto various electrodes.

【Background Art】

Prior processes for forming the humidity-sensitive membrane generally use dipping, spin coating, spraying and dispenser spreading methods, and as the base material various materials including hard base materials such as alumina or epoxy, and soft base materials such as polyimides have been used depending on the purpose of use.

The dipping method is a method which comprises attaching lead wire to the base material onto which the electrode is formed, followed by fixing to a jig, dipping vertically to the humidity-sensitive membrane for a certain period, then raising to make level, drying and then thermally reacting to form the humidity-sensitive membrane.